SESSION VI

DRUG CATEGORIES AND THEIR OBSERVABLE EFFECTS

SESSION VI: DRUG CATEGORIES AND THEIR OBSERVABLE EFFECTS

Upon successfully completing this session, the participant will be better able to:

- o Identify the indicators of impairment associated with each category.
- o Describe the expected results of roadside observations/indicators of impairment.
- o Describe the general indicators that may be present for each drug category.

CONTENT SEGMENTS

LEARNING ACTIVITIES

- A. CNS Depressants
- B. CNS Stimulants
- C. Hallucinogens
- D. Dissociative Anesthetics
- E. Narcotic Analgesics
- F. Inhalants
- G. Cannabis
- H. Drug Combinations
- I. Medically Impaired Person

o Instructor-Led Presentations



210 Minutes



Display

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30 Minutes



A. CNS Depressants

CNS Depressants slow down the operation of the Central Nervous System, (i.e., the brain, brain stem and spinal cord).

- 1. The most familiar CNS Depressant is alcohol.
- 2. Other CNS Depressants include:
 - a. Barbiturates (Derivatives of barbituric acids) (GHB -Gama-Hydroxy Butarate)
 - b. Anti anxiety tranquilizers (such as Valium, librium, and xanax)
 - c. Rohypnol
 - d. Many other drugs
- 3. In general, people under the influence of CNS Depressants look and act much like people under the influence of alcohol.

THIS SESSION IS ON A VERY COMPACT TIME SCHEDULE.
THEREFORE, IT IS
IMPERATIVE THAT YOU DO NOT EMBELLISH THE MATERIAL PROVIDED.

<u>Point out</u> that alcohol remains the most familiar drug. In 2002, 51 percent of persons aged 12 or older were current drinkers.



Display VI-2

- 4. Expected Results of Roadside Observations/Indicators of impairment.
 - a. Psychophysical
 - (1) Divided attention impairment.
 - (2) Poor coordination and balance.
 - (3) Slowed internal clock.
 - b. Eye Indicators of CNS Depressant Influence:
 - o HGN usually will be present.
 - o Vertical nystagmus will be present (with high doses for that individual).
 - o Pupil size usually will be normal.
 - o Eye lids may be droopy and eyes watery.
 - c. Methods of ingestion:
 - (1) Oral

Point out that most depressants are taken in pill or capsule form.

(2) Injection

Barbiturates are sometimes injected.



Display VI-3



Display VI-3A

- d. General indicators that may be present:
 - (1) Drowsy
 - (2) Thick, slurred speech
 - (3) Uncoordinated, fumbling
 - (4) Flaccid muscle tone
 - (5) Sluggish
 - e. Other conditions that may cause similar symptoms:
 - (1) Extreme fatigue
 - (2) Head injury
 - (3) Hypotension
 - (4) Severe depression
 - (5) Diabetic reaction
 - (6) Inner ear disorders

Abnormally low blood pressure.

Solicit students questions concerning indicators of CNS Depressant influence.



30 Minutes



Display VI-4

B. CNS Stimulants

CNS Stimulants speed up the operation of the central nervous system, and of the various bodily functions controlled by the Central Nervous System.

- 1. The two most widely abused CNS Stimulants are cocaine and amphetamines.
- 2. Cocaine is made from the leaves of the coca plant.
- 3. Amphetamines are synthetically produced (manufactured) drugs.
- 4. People under the influence of CNS Stimulants tend to be hyperactive, indicated by

Amphetamines also include the unlawful production of methamphetamine or crank.

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nervousness, talkativeness, and inability to sit still. They also are usually unable to concentrate, or to think clearly for any length of time.

- 5. Expected Results of Roadside Observations/Indicators of Impairment:
 - a. Psychophysical:
 - (1) Divided attention impairment
 - (2) Starts test too soon
 - (3) Accelerated internal clock
 - (4) Completes test too quickly
 - (5) Rapid and jerky movements
 - b. Eye indicators of CNS Stimulants
 - (1) Neither horizontal or vertical nystagmus will be present
 - (2) Pupils usually noticeably dilated.



Display VI-6



Display VI-7

- c. Methods of ingestion:
 - (1) Smoking
 - (2) Snorting
 - (3) Injecting
 - (4) Orally
- d. General indicators of CNS Stimulant influence that may be present:
 - (1) Restlessness
 - (2) Anxiety
 - (3) Euphoria
 - (4) Talkative
 - (5) Excitation
 - (6) Grinding teeth (bruxism)
 - (7) Body tremors
 - (8) Runny nose (if snorting)
 - (9) Redness to nasal area (If snorting)
 - (10) Exaggerated reflexes
 - (11) Loss of appetite
- e. Other conditions that may cause symptoms similar to stimulant influence:
 - (1) Hyperactivity
 - (2) Nervousness
 - (3) Stress
 - (4) Fear
 - (5) Hypertension

Cocaine and Methamphetamine can be smoked - "crack cocaine" or "ice".

Point out that all stimulants may be injected.

Typically amphetamines are taken in pill or capsule form.



Display VI-7A

> Solicit students questions concerning indicators of CNS Stimulant influence



30 Minutes



Display VI-8



Display VI-9



Display VI-10

C. Hallucinogens

Hallucinogens are drugs that cause hallucinations, i.e. they cause the user to perceive things differently from the way that they really are.

- 1. One common type of hallucination caused by these drugs is called synesthesia, which means a transposition of sensory modes:
 - a. Sounds, for example, may be transposed into sights.
 - b. Sights, for example, may be transposed into odors.
- 2. Some hallucinogenic drugs come from natural sources.
 - a. Peyote is a hallucinogen found in a particular specie of cactus.
 - b. Psilocybin is a hallucinogen found in a number of species of mushrooms.
- 3. Other hallucinogens are synthetically manufactured.
 - a. LSD (Lysergic Acid Diethylamide)

An hallucination is a sensory experience of something that does not exist outside the mind.

Example: The user may see a flash of color whenever the telephone rings.

Example: The user may smell a particular fragrance when he or she looks at something red.

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Display VI-11

- b. MDMA ("X" or ecstacy)
- c. many others
- 4. Persons under the influence of hallucinogens are usually extremely impaired and may exhibit bizarre behavior.
- 5. Expected Results of Roadside Observations/Indicators of Impairment:
 - a. Psychophysical
 - Uncoordinated
 - Severe divided attention impairment
 - Poor perception of time and distance
 - Poor balance
 - Distorted internal clock
 - b. Eye Indicators of Hallucinogen influence:
 - (1) Neither Horizontal or Vertical Nystagmus will be present
 - (2) The pupils usually will be noticeably dilated.

Point out that the indicators of hallucinogenic influence are very similar to the indicators of CNS Stimulant influence.



Display VI-12



Display VI-12A





Display VI-13

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- c. Methods of Hallucinogen Ingestion
 - (1) Orally
 - (2) Smoked
 - (3) Transdermal Absorption
 - (4) Injected
 - (5) Snorted
- d. General Indicators of Hallucinogen Influence that may be present:
 - (1) Dazed appearance
 - (2) Body tremors
 - (3) Perspiring
 - (4) Paranoia
 - (5) Disorientation
 - (6) Nausea
 - (7) Difficulty in speech
 - (8) Piloerection (LSD)
 - (9) Hallucinations
- e. Other Conditions that may cause symptoms similar to Hallucinogen influence:
 - (1) Mental illness
 - (2) High fever
- D. Dissociative Anesthetics
 - 1. PCP The chemical name for PCP is \underline{P} henyl \underline{C} yclohexyl \underline{P} iperidine.

Absorbed through the skin.

Explain that is a term to describe hair standing on end.

Solicit students questions concerning indicators of hallucinogen influence.

Write the chemical name on the dry-erase board or flip chart, underlining the first "P", the first "C" and the last "P".

Point out that "Phencyclidine" is a contraction, or shortened form of the chemical name.

Instructor Notes

- 2. Phencyclidine or PCP, is a drug that, along with its <u>analogs</u>, forms a distinct category.
- Point out that an "analog" is a "chemical first cousin" of PCP. That is, an analog has a slightly different chemical structure from PCP, but produces the same effects as does PCP.
- 3. Dissociative Anesthetics share some characteristics with each of the three categories of drugs previously covered in this training.
 - a. It produces some effects that are similar to the effects of CNS Depressants.
- Examples of effects Dissociative Anesthetics share with Depressants: nystagmus, slurred speech, slowed responses.
- b. It produces some effects that are similar to those of CNS stimulants.
- Examples of effects Dissociative Anesthetics share with Stimulants: elevated vital signs, frenzied behavior.
- c. In some respects it acts like an hallucinogen.
- 4. Analogs and Examples of Dissociative Anesthetics
 - a. Ketamine continues to be manufactured and sold legitimately.
 - b. Common names for PCP are: Dust, Animal Tranquilizer, Peace Pill, Sherms, Super Kools and Kools.
 - c. Another drug in this category isDextromethorphan. It is sometimes referred to

"DXM" and is an ingredient found in numerous over-thecounter cough and cold remedies.

- (1) DXM is a synthetically produced substance that is chemically related to Codeine, although it is not an opiate.
- (2) When ingested in recommended dosage levels, DXM generally is a safe and highly effective cough suppressant; however, when ingested in large amounts, it produces negative physiological effects.
- (3) Street names for Dextromethorphan include: "DXM", "robo tripping", "Skittles", "Triple C", "Robo dosing", "DM", "robo"
- (4) DXM abusers normally ingest the drug orally, although some snort the pure powdered form of the drug.



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- 5. Expected Results of Roadside Observations/Indicators of Impairment
 - a. Psychophysical
 - (1) Divided Attention Impairment
 - (2) May take abnormally high and slow steps as though he or she were trying to step over obstacles.
 - (3) Slowed internal clock.
 - b. Eye Indicators of
 Dissociative Anesthetic
 Influence
 - (1) HGN will be present.
 - (2) Vertical nystagmus will be present.
 - (3) Pupil size usually will be normal.
 - (4) Suspect may have a blank stare.
 - c. Methods of ingestion
 - (1) Smoked

Commonly referred to as "moon walking".

Generally will a very early angle of onset and very distinct jerking.



Display VI-15 Point out: Commercial cigarettes can be dipped in liquid PCP, allowed to dry and then smoked. Dark cigarettes are used to hide the PCP stains.

The white paper cigarettes will be stained and usually wrapped in foil.

(2) Inhaled or "snorted". (3) Orally, in capsule or tablet form. (4) Injected. (5) Transdermal absorption. Point out: Liquid PCP is especially dangerous because it can be absorbed through the skin. Extreme caution should be used when handling the suspect's possessions, because liquid PCP is frequently stored in eye dropper or perfume type bottles. d. General Indicators of Dissociative Anesthetic influence that may be present: Display VI-15A (1) Blank stare (2) Loss of memory (3) Perspiring (4) Warm to touch (5) Slow, slurred speech Suspect alternates between (6) Cyclic behavior periods (or cycles) of intense (7) Easily agitated agitation and relative calm. (8) Rigid muscle tone (9) Disorientation (10) Non-responsive (11) Chemical odor (12) Slow to respond to instructions e. Other conditions that may cause similar symptoms. (1) mental disorder

Solicit student questions concerning indicators of Dissociative Anesthetic influence.

Used as a substitute for heroin



30 Minutes

Display VI-16

E. Narcotic Analgesic

Narcotic Analgesic relieves pain, but also induces euphoria, alters mood and produces sedation.

- 1. The most familiar Narcotic Analgesic is heroin.
- 2. Other Narcotic Analgesics include:
 - a. Opium
 - Morphine
 - Codeine
 - Dilaudid
 - Demerol
 - f. Methadone

respond.

g. Darvon addicts undergoing therapy and h. Oxycontin treatment. 3. In general, people under the



Display VI-17

Observations/Indicators of Impairment

4. Expected Results of Roadside

influence of Narcotic Analgesic tend to be very slow, with deliberate movements, unable to concentrate and slow to

- a. Psychophysical
 - (1) Divided attention impairment.
 - (2) Poor coordination and balance.
 - (3) Slowed internal clock.

- b. Eye Indicators of Narcotic Analgesic Influence.
 - o HGN will not be present
 - o Vertical nystagmus will not be present.
 - o Pupil size will be constricted.
 - o Eyelids will be droopy.

Suspect may appear to be asleep, but he or she may hear everything that is said. This condition is commonly referred to as "on the nod".



Display VI-18



Display VI-18A

- c. Methods of ingestion.
 - (1) Injected
 - (2) Smoked
 - (3) Snorted
 - (4) Orally
 - (5) Suppositories
- d. General Indicators of Narcotic Analgesic influence that may be present:
 - (1) "Track marks"
 - (2) "On the nod"
 - (3) Slowed reflexes
 - (4) Slow, low, raspy speech
 - (5) Facial itching
 - (6) Dry mouth
 - (7) Euphoria
 - (8) Pupils constricted
 - (9) Flaccid muscle tone

Solicit student questions concerning indicators of Narcotic Analgesic influence.

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VI-14



20 Minutes

F. Inhalants

- 1. Inhalants are breathable chemicals that produce mindaltering results.
 - a. Inhalants vary widely in terms of the chemicals involved and the specific affects produced.
 - b. Depending on the nature of the particular inhalant, the effects produced may be similar to those of stimulants, depressants or hallucinogens.
- 2. Inhalants category contains substances such as:
 - a. gasoline
 - b. glues (Toluene)
 - c. paint
 - d. hair spray
 - e. anesthetic gases
- 3. In general, people under the influence of an Inhalant exhibits effects that are similar to alcohol intoxication.
- 4. Expected Results of Observations/Indicators of Impairment
 - a. Psychophysical
 - (1) Divided attention impairment
 - (2) Poor coordination and balance



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Display VI-20

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VI-15



Display VI-21



Display VI-21a

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o HGN will generally be

Influence

b. Eye indicators of Inhalant

- o HGN will generally be present
- o Vertical Nystagmus may be present (with high doses for that individual)
- o Pupil size may be normal or dilated depending on the inhalant used.
- c. Methods of Ingestion
 - (1) Inhaling by breathing fumes
 - (2) Some are ingested directly from source
 - (3) Some inhalants are soaked into rags, handkerchiefs, twist lock beverage containers, plastic bags or balloons.
- d. General Indicators of Inhalant influence may be present:

The effects of inhalants vary somewhat from one substance to another and are fast acting.

(1) Odor of inhaled substance (2) Dizziness and numbness (3) Possible traces of substance around face and nose (4) Bloodshot, watery eyes (5) Distorted perceptions of time and space (6) Confused, disoriented appearance (7) Light headedness (8) Flushed face, possibly sweating (9) Intense headaches (10) Slow, thick, slurred speech (11) Nausea (12) Non-communicative (13) Floating sensations Solicit student questions concerning indicators of inhalant influence. G. Cannabis 30 Minutes 1. The primary psychoactive ingredient in Cannabis is Delta-9 Tetrahydrocannabinol. THC is found principally in the leaves and flowers of the plant, rather than in the VI-17 HS 178B R2/06



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stem or branches.

- b. Different varieties of Cannabis have different concentrations of THC.
- 2. The types of Cannabis are:
 - a. Marijuana
 - b. Hashish
 - c. Hashish oil
 - d. Marinol
- 3. In general people under the influence of Cannabis have a difficult time paying attention.
- 4. Expected Roadside Observations Indicators of Impairment
 - a. Psychophysical
 - (1) Divided attention impairment
 - (2) Poor coordination and balance
 - (3) Problems with divided attention tasks, i.e., getting registration, license.
 - (4) Slowed internal clock

- dried leaves of plant
- concentrated version of marijuana
- liquid extraction from hashish
- synthetic form of THC



Display VI-23



Display VI-24



Display VI-24A

- b. Eye indicators of Cannabis
 - o HGN will not be present
 - o Vertical nystagmus will not be present
 - o Pupil size will be dilated or normal
- c. Methods of Ingestion
 - (1) Smoking
 - (2) Orally baked and eaten in food.
- d. General indicators of Cannabis influence that may be present:
 - (1) Odor of marijuana
 - (2) Impaired perception of time and distance
 - (3) White (conjunctiva) of the eyes are markedly reddish
 - (4) Eyelid and body tremors
 - (5) Disorientation
 - (6) Impairs attention
 - (7) Diminished inhibitions

Solicit students questions concerning indicators of Cannabis influence.



10 Minutes



- 1. The Prevalence of Polydrug Use.
 - a. Polydrug use means ingesting drugs from two or more drug categories.
 - b. It is actually more common to encounter polydrug users than single drug users.
 - (1) In the Los Angeles Field Study (1985), 72% of the suspects had two or more drugs in them.
 - (2) In that study alcohol was often found in combination with one or more other drugs.
 - (3) But even if we discount alcohol, nearly half (45%) of the Field Study suspects had two or more other drugs in them.
 - (4) During certification training in New York City, in early 1989, two-thirds (67%) of the suspects evaluated had two or more drugs other than alcohol in their urine.

<u>Point out</u> that 81 of the 173 suspects (47%) in the Los Angeles Field Study had alcohol in combination with one or more other drugs.



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Display VI-25A



Display VI-26

- c. Common combinations of drugs.
 - (1) Cocaine and cannabis
 - (2) Cocaine and heroin
 - (3) PCP and cannabis
- d. Many of the suspects you will see will be exhibiting the effects of two or more drugs acting together.
- e. When two or more drug categories are taken together, they tend to produce a combination of effects: null, overlapping, additive and antagonistic.
 - (1) Null effect: the drugs have the same effect on the suspects body, e.g. pupil size.
 - (2) Overlapping effect: one drug affects the function but the other does not.
 - (3) Additive effect: action plus the same action reinforces the action.
 - (4) Antagonistic effect: action versus the opposite action, can't predict the outcome.
- 2. Scenario Exercises
 - a. Scenarios

Referred to as a "speedball".

Point out that virtually any possible drug combinations will be found.

Solicit students' comments and questions about the prevalence of polydrug use.

Assign the students to work in three-member teams.

Direct the students' attention to the 8 scenarios in their student manuals. Instruct the students that they have 10

INDICATORS CONSISTENT WITH DRUG CATEGORIES											
	DEPRESSANT	STIMULANTS	HALLUCINOGE N	DISSOCIATIVE ANESTHETICS	NARCOTIC	INHALANT	CANNABIS				
HGN	PRESENT	NONE	NONE	PRESENT	NONE	PRESENT	NONE				
VERTICAL NYSTAGMUS	PRESENT (HIGH DOSE)*	NONE	NONE	PRESENT	NONE	PRESENT (HIGH DOSE)*	NONE				
PUPIL SIZE	NORMAL(1)	DILATED	DILATED	NORMAL	CONSTRICTE D	NORMAL(2	DILATED(3				

^{*} high dose for that particular individual

FOOTNOTE:

These indicators are those most consistent with the category, keep in mind that there may be variations due to individual reaction, dose taken and drug interactions.

- 1. SOMA, Quaaludes usually dilate pupils.
- 2. Normal but may be dilated.
- 3. Pupil size possibly normal.

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MAJOR INDICATORS	CNS DEPRESSANTS	CNS STIMULANTS	HALLUCINOGENS	DISSOCIATIVE ANESTHETICS	NARCOTIC ANALGESICS	INHALANTS	CANNABIS
GENERAL INDICATORS	Uncoordinated Disoriented Sluggish Thick, slurred speech Drunk-like behavior Gait ataxia Drowsiness Droopy eyes Fumbling *NOTE: With Methaqualone, pulse will be elevated and body tremors will be evident. Alcohol and Quaaludes elevate pulse. Soma and Quaaludes dilate pupils.	Restlessness Body tremors Excited Euphoric Talkative Exaggerated reflexes Anxiety Grinding teeth (bruxism) Redness to nasal area Runny nose Loss of appetite Insomnia Increased alertness Dry mouth Irritability	Dazed appearance Body tremors Synesthesia Hallucinations Paranoia Uncoordinated Nausea Disoriented Difficulty in speech Perspiring Poor perception of time & distance Memory loss Disorientation Flashbacks NOTE: With LSD, piloerection may be observed (goose bumps, hair standing on end)	Perspiring Warm to the touch Blank stare Very early angle of HGN onset Difficulty in speech Incomplete verbal responses Repetitive speech Increased pain threshold Cyclic behavior Confused agitated Hallucinations Possibly violent & combative Chemical odor "Moon walking"	Droopy eyelids ("ptosis") "On the nod" Drowsiness Depressed reflexes Low, raspy, slow speech Dry mouth Facial itching Euphoria Fresh puncture marks Nausea Track marks NOTE: Tolerant users exhibit relatively little psychomotor impairment.	Residue of substance around nose & mouth Odor of substance Possible nausea Slurred speech Disorientation Confusion Bloodshot, watery eyes Lack of muscle control Flushed face Noncommunicative Intense headaches **NOTE: Anesthetic gases cause below normal blood pressure; volatile solvents and aerosols cause above normal blood pressure.	Marked reddening of conjunctiva Odor of marijuana Marijuana debris in mouth Body tremors Eyelid tremors Relaxed inhibitions Increased appetite Impaired perception of time & distance Disorientation Possible paranoia

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SCENARIO I

While checking an interstate rest area, you notice a vehicle parked, engine running, with the driver apparently sleeping. After awakening the driver, who claims she was not sleeping, you notice that her actions are very slow and lethargic. There is no odor of alcoholic beverage on this person's breath and she states she has not been drinking. As you administer the standardized field sobriety tests, you observe that there is no Horizontal Gaze Nystagmus and no Vertical Nystagmus. You also observe that her pupils are extremely small and the eyelids are droopy. As the driver is performing the walk and turn and one leg stand tests, her movements are slow. Administration of the Romberg test disclosed that the subject has a slow internal clock.

SCENARIO II

On a Saturday evening following a concert, you stop a vehicle for weaving down the street. During the initial conversation with the subject you notice that he is talking very rapidly, has extremely large pupils and is paranoid. The subject states that he was trying to avoid the large snails that were on the road. There is no odor of an alcoholic beverage on this person's breath. As you administer the standardized field sobriety tests, you observe that there is no Horizontal Gaze Nystagmus and no Vertical Nystagmus. As the driver is performing the walk and turn and one leg stand, his movements are fast, then slow, then fast again; and was having difficulty dividing attention. Administration of the Romberg test discloses that the subject has a fast internal clock and goosebumps. After the Romberg test the subject stated that he was confused by the loud noise coming from the Police Officer's raincoat.

SCENARIO III

It is August, you arrive on the scene of a serious traffic crash. You notice that the driver is wearing a long sleeve shirt and different smelling smoke escapes from the vehicle. He is not able to stay awake but is able to answer your questions. The sleeve of his shirt slides up and you notice red marks on his arms. He has no Horizontal Gaze Nystagmus and no Vertical Nystagmus. As the driver is performing the walk and turn and one leg stand tests, his movements are slow and deliberate. Administration of the Romberg test disclosed that the subject has a slow internal clock. His eyes are reddish and pupils appear to normal.

SCENARIO IV

On a Saturday evening following a concert, you stop a vehicle for speeding (70 in a 35). During the initial conversation with the subject you notice that she is talking very rapidly, has extremely large pupils and is anxious. There is no odor of an alcoholic beverage on this person's breath. As you administer the standardized field sobriety tests, you observe that there is no Horizontal Gaze Nystagmus and no Vertical Nystagmus. As the driver is performing the walk and turn and one leg stand, her movements are fast. Administration of the Romberg test discloses that the subject has a fast internal clock and muscle tremors.

SCENARIO V

You receive a call to back-up a fellow officer who has stopped a vehicle and is now wrestling with the operator. Upon arrival, you observe that the subject is naked (the temperature is thirty degrees). He appears to be somewhat cooperative but non-communicative. There is no odor of alcoholic beverage on this person's breath. As you administer the standardized field sobriety tests, you observe that there is Horizontal Gaze Nystagmus with immediate onset and Vertical Nystagmus. As the driver is performing the walk and turn and one leg stand tests, his movements are slow and rigid. He was having difficulty dividing attention. Administration of the Romberg test discloses that the subject has a slow internal clock. His skin is warm to the touch.

SCENARIO VI

You have responded to a one car property damage crash. In your initial conversation with the operator you observe him to be drowsy. There is no odor of alcoholic beverage on this person's breath. As you administer the standardized field sobriety tests, you observe that there is Horizontal Gaze Nystagmus and Vertical Nystagmus. As the driver is performing the walk and turn and one leg stand, his movements are slow and his muscle tone appears flaccid. Administration of the Romberg test discloses that the subject has a slow internal clock. The subject's pupils appeared normal in size.

SCENARIO VII

You receive a call to assist a local officer and he explains that he stopped the vehicle for obvious driving impairment. The driver displayed numerous clues and indicators of impairment during the SFSTs. However, he did not demonstrate any clues in Horizontal Gaze Nystagmus or Vertical Nystagmus. Larger than normal pupils and noticeable fluttering eyelids during the Romberg were detected. His internal clock was slowed to 60 seconds. The whites of his eyes appear reddish. He seems totally unconcerned with the thought of possibly being arrested.

SCENARIO VIII

You stop a vehicle for running a red light. As you observe the driver, he is slow to respond, perspiring, and is easily agitated. As the subject is performing the walk and turn and one leg stand, you observe that the subject is very rigid and is having a difficult time dividing attention. He has Horizontal Gaze Nystagmus and Vertical Nystagmus. His eyes are reddish and pupils are larger than normal. Administration of the Romberg test disclosed that the subject has a distorted internal clock.

SCENARIO ANSWER KEY

Scenario I Narcotic Analgesics

Scenario II Hallucinogens

Scenario III Narcotic Analgesics and Cannabis

Scenario IV Stimulants

Scenario V Dissociative Anesthetics

Scenario VI Depressants

Scenario VII Cannabis

Scenario VIII Dissociative Anesthetics and Cannabis